

video signal generation means of generating a video signal by recording a video,

indication means of indicating a start of said recording and/or a stop of said recording,

AutoREC signal generation means of generating an AutoREC signal, which has recording marks to be multiplexed with frames where said recording is continued, in conjunction with the start of said recording and/or the stop of said recording based on said indication; and

AutoREC signal multiplex means of multiplexing said generated AutoREC signal with said generated video signal.

The 2nd present invention is the AutoREC signal multiplex apparatus according to the 1st present invention, wherein said AutoREC signal multiplex means multiplexes said generated AutoREC signal with said generated video signal at the timing of said indication.

The 3rd present invention is the AutoREC signal multiplex apparatus according to the 1st present invention, wherein said AutoREC signal is multiplexed with a LTC (Longitudinal Time Code) user's bit or a VITC (Vertical Interval Time Code) user's bit of a frame of said video signal.

The 4th present invention is the AutoREC signal multiplex apparatus according to the 1st present invention, wherein said AutoREC signal has a start mark to be multiplexed with a frame where said recording is started, and a stop mark to be

multiplexed with a frame where said recording is stopped.

The 5th present invention is the AutoREC signal multiplex

apparatus according to the 4th present invention, wherein said AutoREC signal multiplex means multiplexes said start marks with a predetermined number of frames after the frame where said recording is started.

The 6th present invention is the AutoREC signal multiplex apparatus according to the 4th present invention, wherein said AutoREC signal multiplex means multiplexes said stop marks with a predetermined number of frames before the frame where said recording is stopped.

~~The 7th present invention is the AutoREC signal multiplex apparatus according to the 1st present invention, wherein said AutoREC signal has recording marks to be multiplexed with frames where said recording is continued.~~

The 8th present invention is an AutoREC signal multiplex method comprising:

a video signal generation step of generating a video signal by recording a video,

an indication step of indicating a start of said recording and/or a stop of said recording,

an AutoREC signal generation step of generating an AutoREC signal, which has recording marks to be multiplexed with frames where said recording is continued, in conjunction with the start of said recording and/or the stop of said recording based on said indication; and

an AutoREC signal multiplex step of multiplexing said

generated AutoREC signal with said generated video signal.

The 9th present invention is a program for making a

computer execute: the video signal generation step of generating a video signal by recording a video, the AutoREC signal generation step of generating an AutoREC signal, which has recording marks to be multiplexed with frames where said recording is continued, in conjunction with the start of said recording and/or the stop of said recording based on said indication, and the AutoREC signal multiplex step of multiplexing said generated AutoREC signal with said generated video signal; the steps being included in the AutoREC signal multiplex multiplex method according to the 8th present invention.

The 10th present invention is a recording medium which stores the program according to the 9th present invention, wherein the recording medium is computer-processible.

The 11th present invention is a video signal division apparatus comprising:

AutoREC signal detection means of detecting an AutoREC signal which is (1) generated, based on indication of a start of a recording of a video and/or a stop of said recording, in conjunction with the start of said recording and/or the stop of said recording, and (2) multiplexed with a video signal generated by performing said recording, and

video signal division means of dividing said video signal based on a result of said detection.

The 12th present invention is the video signal division

apparatus according to the 11th present invention, wherein said
AutoREC signal has a start mark to be multiplexed with a frame